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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/693,321	10/19/2000	Mohamed M. Abdelaziz	5181-57700	8845

7590 11/29/2005  
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EXAMINER

SINGH, RACHNA

ART UNIT	PAPER NUMBER
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2176

DATE MAILED: 11/29/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/693,321

Applicant(s)

ABDELAZIZ ET AL.

Examiner

Rachna Singh

Art Unit

2176

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 08/22/05.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-57 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-57 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

### **DETAILED ACTION**

1. This action is responsive to communications: Arguments filed 08/22/05.
2. Claims 1, 3-8, 10-48, and 50-57 are pending. Claims 2, 9, and 49 have been cancelled. Claims 1, 24, 42, and 46 are independent claims.

### ***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1, 3-7, 11, 13-26, 29, 31-48, 51, and 53-57 are rejected under 35 U.S.C. 102(e) as being anticipated by Ballantyne et al., US 6,687,873 B1, 2/3/04 (filed 3/9/00).

In reference to amended claim 1, Ballantyne teaches a method and system of outputting data in XML format using an XML schema. Ballantyne's system discloses the following:

-Generating a model of a program application by automatically identifying one or more incidents within each program application. The incidents are used to model the report functions of the legacy computer system such as by a report data model that lists the values and types of written data fields from the legacy program applications. The list of report incidents are augmented by a formal grammar that is used to relate XML schema

to the output reported by the legacy program applications. The modeling engine provides the report data model identifying the report incidents to the mapping engine and modeling GUI. The mapping engine maps the report data incidents from the report data model to the XML schema and the relationship is displayed on the modeling GUI. See column 6, lines 10-65. Compare to ***“accessing a presentation schema in the distributed computing environment, wherein the presentation schema includes information for presenting results data for clients in the distributed computing environment”***.

-Allowing a user to access “report” information such as invoices, billing statements, etc. See column 17, lines 15-67. Compare to ***“accessing results data for a client in a distributed computing environment”***.

-Outputting the XML formatted data using the XML schema generated from the legacy system. See columns 17-18. Compare to ***“presenting the results data for the client in accordance with the information from the presentation schema”***.

Ballantyne’s system comprises a service in the computing environment that generates results data (such as invoices, billing statements) prior to accessing the report data. They are called internal reports that are available for storage on a database in XML database. Ballantyne’s system comprises a service in the computing environment that generates results data (such as invoices, billing statements) prior to accessing the report data. They are called internal reports that are available for storage on a database in XML database. See columns 17-18. Ballantyne teaches that businesses with legacy computer systems may output XML formatted reports that allow

the business to take advantage of advances taking place in e-commerce, such as automatic bill payment. For instance, telephone customers could receive their telephone bill by email containing a web link to a site providing bill detail. See column 17, lines 37-52. The telephone customers are client and the service is the automatic bill payment provided by the business. The fact that the legacy computer system can output XML formatted reports does not preclude the system from providing a service for generating results data for a client. Ballantyne fully discloses that the present invention has several business applications where a client is provided outputted XML data. Compare to ***“a service in the distributed computing environment. . .client in the distributed computing environment”***.

In reference to claims 3 and 4, Ballantyne teaches generating the report data in response to a user requesting information via email or another retrieval system such as the Internet. The user may request billing statements or invoices. The data presentation language used by Ballantyne is XML. See columns 17-18.

In reference to claim 5, Ballantyne teaches accessing report data for the user wherein the report data can be delivered in XML formatted billing statements or invoices. See column 17.

In reference to claims 6-7, in column 17, lines 15+, Ballantyne discloses that internal reports otherwise printed on paper for manual inspection are instead available for storage on a database in XML format. Once electronically stored, the reports are available as electronic information assets for review by a browser or other electronic analysis. Different business applications related to e-commerce such Bill Presentment

and Payment allow the client to access results data that is electronically stored in a database. See columns 17-18.

In reference to claim 11, Ballantyne teaches that the output of the XML schema can be an XML document.

In reference to claims 13 and 14, Ballantyne teaches that the results data can be presented in visual format for display on a display device. See columns 17-18.

In reference to claim 15, Ballantyne teaches the use of a presentation schema in the form of XML schema wherein the schema can comprise presentation characteristics of data elements. See columns 6-8. The user may also modify the schema.

In reference to claim 16, Ballantyne teaches accessing a first presentation elements and locating one or more data elements within. Ballantyne's system comprises a hierarchy of the XML schema wherein the depth of the element corresponds to its position in the tree structure. See figure 7 and column 11. The tree structure of the XML schema can be used to access data elements by traversing the tree. See columns 11-12.

In reference to claim 17, Ballantyne teaches accessing the data elements in the tree structure of the schema. See columns 11-12.

In reference to claim 18, Ballantyne's system is a data presentation system.

In reference to claim 19, Ballantyne's system can take place over a network where a client would use one device and the process would occur in another device.

In reference to claims 20-22, Ballantyne's system teaches the client receiving report data from the service and the report data is presented to the client upon his request being received.

In reference to claim 23, Ballantyne teaches that the client receives the presentation schema in the form of an XML output and the schema can be provided by the client by formatting the schema in the model GUI. See columns 6-8.

Claims 24-26, 29, and 31-35 are rejected under the same rationale used in claims 1, 3, 4, 11, 13, 14, 16, 17, and 18 respectively above.

In reference to claim 36, Ballantyne's system can take place over a computer system and network in which one device sends a message to a service device and the service device generates results. See column 17-18.

In reference to claim 37, Ballantyne teaches that the client's device can include a display. See column 17 and 18.

In reference to claim 38, Ballantyne's system teaches the client receiving report data from the service and the report data is presented to the client upon his request being received.

In reference to claim 39, Ballantyne's system teaches the client receiving report data from the service and the report data is presented to the client upon his request being received.

In reference to claim 40, Ballantyne's system teaches the client receiving report data from the service and the report data is presented to the client upon his request being received.

In reference to claim 41, Ballantyne's system teaches the client receiving report data from the service and the report data is presented to the client upon his request being received.

In reference to claim 42, Ballantyne teaches that the presentation schema advertisement can be stored in a storage device on the service device. See columns 17-18. Ballantyne teaches a storage device. See column 17-18. Ballantyne teaches that reports, billing statements, and other information can be formatted in XML can be archived and retrieved in a relational database. Ballantyne discloses providing a results advertisement where the advertisement includes information for enabling access of the results data. Ballantyne teaches providing report data to a display device, where a user can then access results data (i.e. billing statements). See column 17. Compare to **"a service device configured to store a presentation schema advertisement on the storage device"**. Ballantyne further discloses presenting results data produced by the database on browser technology. See columns 17-18.

In reference to claim 43, Ballantyne teaches that the service device can generate report data upon receiving a request for the report data. See columns 17-18.

In reference to claim 44, Ballantyne teaches outputting the XML data on a display device. The results data would be outputted to a "space" in a computing environment.

In reference to claim 45, Ballantyne teaches outputting the XML data on a display device. The results data would be outputted to a "space" in a computing environment.

Claim 46 is rejected under the same rationale used in claim 1 above.

Claim 47 is rejected under the same rationale used in claim 3 above.



Claim 48 is rejected under the same rationale used in claim 1 above.

Claims 51 and 53-57 are rejected under the same rationale used in claims 11, 14, 15, 16, 17, and 19 respectively above.

***Claim Rejections - 35 USC § 103***

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 8, 10, 27-28, and 50 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ballantyne et al., US 6,687,873 B1, 2/3/04 (filed 3/9/00).

In reference to claims 8 and 27, Ballantyne teaches providing results data in the form of XML to a display device. The XML data may comprise invoices, billing statements, or any other type of report data including advertisement. Ballantyne discloses providing a results advertisement where the advertisement includes information for enabling access of the results data. Ballantyne teaches providing report data to a display device, where a user can then access results data (i.e. billing statements). Although Ballantyne does not state “advertisements”, the term “report data” could comprise an advertisement. Moreover, one of ordinary skill in the art would recognize that an XML schema could be used to describe any number of outputs in XML format including invoices and advertisements, thus it would have been obvious to one of ordinary skill in the art at the time of the invention to produce advertisements as

“result data” since and XML schema can be used to produce XML formatted data. See column 17.

In reference to claims 10, 28, and 50, Ballantyne teaches storing presentation schema in a storage device. See column 17, lines 15-25. Ballantyne teaches providing results data in the form of XML to a display device. Ballantyne discloses providing a results advertisement where the advertisement includes information for enabling access of the results data. Ballantyne teaches providing report data to a display device, where a user can then access results data (i.e. billing statements). Although Ballantyne does not state “advertisements”, the term “report data” could comprise an advertisement. Moreover, one of ordinary skill in the art would recognize that an XML schema could be used to describe any number of outputs in XML format including invoices and advertisements, thus it would have been obvious to one of ordinary skill in the art at the time of the invention to produce advertisements as “result data” since and XML schema can be used to produce XML formatted data. See column 17.

7. Claims 12, 30, and 52 are rejected under 35 U.S.C. 103(a) as being unpatentable over Claims 8, 10, 27-28, and 50 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ballantyne et al., US 6,687,873 B1, 2/3/04 (filed 3/9/00) in view of Sravanapudi et al., US 2001/0049603 A1, 12/6/01 (filed 3/8/01, provisional 3/10/00).

In reference to claims 12, 30, and 52 ,Ballantyne does not teach the presentation of report data in an audio format; however, Sravanapudi teaches a multimodal information system in which information can be delivered in a variety of formats including audio. See pages 1-3. It would have been obvious to one of ordinary skill in

the art at the time of the invention to incorporate Sravanapudi's audio presentation of result information in the system of Ballantyne since it allows a user to be reached via multiple channels and also allows the user to listen to the data through a sound system. See page 1 of Sravanapudi. Sravanapudi also teaches utilizing Voice XML as a means for rendering the data as audio. It would have been obvious to utilize Voice XML in Ballantyne's XML output presentation as it is a form of the representation language used. See page 5 of Sravanapudi.

### ***Response to Arguments***

8. Applicant's arguments filed 08/22/05 have been fully considered but they are not persuasive.

Applicant has amended claims to include limitations reciting "a service in the distributed computing environment generating results data for a client in the distributed computing environment;" and "wherein the presentation schema is provided by the service". In view of these amendments, Applicant argues Ballantyne does not disclose the recited limitations. Examiner respectfully disagrees. Ballantyne's system comprises a service in the computing environment that generates results data (such as invoices, billing statements) prior to accessing the report data. They are called internal reports that are available for storage on a database in XML database. See columns 17-18. Applicant argues that Ballantyne discloses a system for modifying a legacy computer system to output data in XML format but does not disclose a service that generates results data for a client and provides the presentation schema. Ballantyne teaches that businesses with legacy computer systems may output XML formatted reports that allow

the business to take advantage of advances taking place in e-commerce, such as automatic bill payment. For instance, telephone customers could receive their telephone bill by email containing a web link to a site providing bill detail. See column 17, lines 37-52. The telephone customers are client and the service is the automatic bill payment provided by the business. The fact that the legacy computer system can output XML formatted reports does not preclude the system from providing a service for generating results data for a client. Ballantyne fully discloses that the present invention has several business applications where a client is provided outputted XML data.

Applicant argues Ballantyne does not provide a presentation schema that includes information for presenting results data for clients in a computing environment and instead discloses a modeling engine with a mapping GUI allowing programmers to create and modify XML schema. Applicant argues this modeling engine does not generate results data and only teaches programmers provide XML schemas, not any modified applications. The claim recites, "accessing a presentation schema. . . wherein the presentation schema includes information for presenting results data for clients. . . wherein the presentation schema is provided by the service". The claim does not recite that modified applications provide XML schemas. It recites, "accessing a presentation schema" but there is not mention of modifying applications.

Regarding claim 3, Applicant argues Ballantyne fails to teach generating results data in response to a client sending a request message in a data representation language to the service. Applicant argues the fact that Ballantyne teaches that telephone customers could receive their telephone bill by email containing a web link to

a site is not the same as a service generating results data in response to receiving a request from a client in a data representation language. Examiner disagrees because receiving a telephone bill from a telephone provider via a web link involves a service (i.e. telephone provider) generating results data (i.e. bill). Clicking on a web link is sending a request to the server. A web link is a means for referencing another document. In clicking on a web link to send a request for a document, the message is sent in a data representation language.

Regarding claims 8 and 10, Applicant argues Ballantyne fails to teach providing results advertisement for the results data on the results space, where the results advertisement includes information for enabling access of the results data. Applicant argues that the advertisement refers to a results advertisement that includes information for enabling access of the results data. In view of this definition, Ballantyne still discloses providing a results advertisement where the advertisement includes information for enabling access of the results data. Ballantyne teaches providing report data to a display device, where a user can then access results data (i.e. billing statements).

In view of comments above, rejections are maintained.

### ***Conclusion***

9. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within

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TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rachna Singh whose telephone number is 571-272-4099. The examiner can normally be reached on M-F (8:30AM-6:00PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Heather Herndon can be reached on 571-272-4136.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

RS  
11/22/05

*William L. Bashore*  
**WILLIAM BASHORE**  
**PRIMARY EXAMINER**  
11/26/2005